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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/776,399A

DATE: 10/12/2004

TIME: 12:41:12

Input Set : A:\-36-1.app

Output Set: N:\CRF4\10122004\J776399A.raw

3 <110> APPLICANT: Li, Henry
 4 Chatterton, Jon E.
 5 Fan, Wufang
 6 Ke, Ning
 7 Wong-Staal, Flossie
 9 <120> TITLE OF INVENTION: siRNA Libraries Optimized for Predetermined
 10 Protein Families
 12 <130> FILE REFERENCE: 016556-003610US
 14 <140> CURRENT APPLICATION NUMBER: US 10/776,399A
 15 <141> CURRENT FILING DATE: 2004-02-10
 17 <150> PRIOR APPLICATION NUMBER: US 60/446,714
 18 <151> PRIOR FILING DATE: 2003-02-11
 20 <160> NUMBER OF SEQ ID NOS: 314
 22 <170> SOFTWARE: PatentIn version 2.1
 24 <210> SEQ ID NO: 1
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 26 <212> TYPE: DNA
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Description of Artificial Sequence:variant 1
 31 nuclear hormone receptor family zinc finger domain
 33 <400> SEQUENCE: 1
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 38 <211> LENGTH: 15
 39 <212> TYPE: PRT
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 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: Description of Artificial Sequence:variant 1
 44 nuclear hormone receptor family zinc finger domain
 46 <400> SEQUENCE: 2
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 56 <220> FEATURE:
 57 <223> OTHER INFORMATION: Description of Artificial Sequence:variant 1
 58 nuclear hormone receptor family zinc finger domain
 60 <400> SEQUENCE: 3
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 64 <210> SEQ ID NO: 4

(pg. 6)

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69 <220> FEATURE:
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93 <212> TYPE: PRT
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102 1           5           10           15
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129 1           5           10           15
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133 <211> LENGTH: 45

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199 <210> SEQ ID NO: 14
200 <211> LENGTH: 15
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence

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219 <223> OTHER INFORMATION: Description of Artificial Sequence:variant 1
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231 <220> FEATURE:
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237 1           5           10           15
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243 <213> ORGANISM: Artificial Sequence
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246 <223> OTHER INFORMATION: Description of Artificial Sequence:variant 1
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255 <212> TYPE: PRT
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259 <223> OTHER INFORMATION: Description of Artificial Sequence:variant 1
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264 1           5           10           15
267 <210> SEQ ID NO: 19
268 <211> LENGTH: 45
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:

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Input Set : A:\-36-1.app

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286 <223> OTHER INFORMATION: Description of Artificial Sequence:variant 2
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296 <212> TYPE: DNA
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308 <211> LENGTH: 15
309 <212> TYPE: PRT
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313 <223> OTHER INFORMATION: Description of Artificial Sequence:variant 2
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317 Tyr Gly Val Tyr Ser Cys Glu Gly Cys Lys Gly Phe Phe Lys Arg
318 1           5           10           15
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323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial Sequence
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327 <223> OTHER INFORMATION: Description of Artificial Sequence:variant 2
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335 <211> LENGTH: 15
336 <212> TYPE: PRT
337 <213> ORGANISM: Artificial Sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: Description of Artificial Sequence:variant 2
341     nuclear hormone receptor family zinc finger domain

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:269; N Pos. 1
Seq#:270; N Pos. 1,37
Seq#:271; N Pos. 1
Seq#:272; N Pos. 1
Seq#:273; N Pos. 1
Seq#:274; N Pos. 1,18
Seq#:275; N Pos. 1,19
Seq#:276; N Pos. 1
Seq#:277; N Pos. 1
Seq#:279; N Pos. 1
Seq#:281; N Pos. 3,9,12,21
Seq#:283; Xaa Pos. 4,6
Seq#:284; Xaa Pos. 6
Seq#:285; Xaa Pos. 2
Seq#:289; N Pos. 3,9,12
Seq#:292; N Pos. 6
Seq#:294; N Pos. 6,12,15,18,21
Seq#:300; N Pos. 21
Seq#:305; Xaa Pos. 1
Seq#:308; N Pos. 3
Seq#:309; Xaa Pos. 4
Seq#:310; N Pos. 3
Seq#:313; Xaa Pos. 4

VERIFICATION SUMMARY

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Input Set : A:\-36-1.app

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L:3658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:269 after pos.:0
L:3682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:270 after pos.:0
L:3701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:271 after pos.:0
L:3720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:272 after pos.:0
L:3739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:273 after pos.:0
L:3763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:274 after pos.:0
L:3787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:0
L:3806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:276 after pos.:0
L:3825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277 after pos.:0
L:3856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:279 after pos.:0
L:3899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:281 after pos.:0
L:3938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:283 after pos.:0
L:3958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:0
L:3978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285 after pos.:0
L:4043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289 after pos.:0
L:4090 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:0
L:4123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294 after pos.:0
L:4214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:300 after pos.:0
L:4291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:305 after pos.:0
L:4340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:308 after pos.:0
L:4359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:309 after pos.:0
L:4379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310 after pos.:0
L:4427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313 after pos.:0